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Total Number of Pages in This Submission	Three	Attorney Docket Number	15138US02
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ENCLOSURES (check all that apply)

<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Assignment Papers (for an Application)	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s) (sheets)	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input checked="" type="checkbox"/> Certificate Under 37 CFR § 3.73(b)
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	<input checked="" type="checkbox"/> Power of Attorney from Assignee
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<input type="checkbox"/> PTO 1449/08A with references	<input type="checkbox"/> CD Number of CD(s) _____	<input type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Certified Copy of Priority Document(s)	Remarks	
<input type="checkbox"/> Response to Missing Parts/ Incomplete Application		
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual Name	Mirut P. Dalal, Esq. McAndrews Held & Malloy, Ltd. 500 West Madison Street 34 th Floor Chicago, Illinois 60661		
Name (Print/type)	Mirut P. Dalal, Esq.	Registration No. (Attorney/Agent)	44,052
Signature			Date: June 15, 2004

Customer No. 23,446

EXPRESS MAIL DEPOSIT

"Express Mail" mailing label number : EV 304939750 US

Date of Deposit: June 15, 2004



CERTIFICATE UNDER 37 C.F.R. § 3.73(B)

Docket No.: 15138US02

Application No./Patent No.: 10/736,125

Filed/Issue Date: December 15, 2003

Entitled: "DMA ENGINE FOR FETCHING WORDS IN REVERSE BIT ORDER"

Broadcom Corporation, a **corporation**,
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. the assignee of the entire right, title, and interest, or
2. an assignee of an undivided part interest

in the patent application/patent identified above by virtue of either:

A. [X] An Assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the Patent and Trademark Office at Reel 014494, Frame 0130, or for which a copy thereof is attached.

OR

B. [] A chain of title from the inventor(s) of the patent application/patent identified above to the current assignee as shown below:

1. From: _____ To: _____
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[] Additional documents in the chain of title are listed on a supplemental sheet

Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (*i.e.*, the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the PTO. See MPEP 302-302.81]

The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.

Signature

Name: _____

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Dee Henderson

Dee Henderson
Manager Intellectual Property Portfolio



POWER OF ATTORNEY FROM ASSIGNEE

Broadcom Corporation, a corporation of California, having a principal place of business at 16215 Alton Parkway, Irvine, California 92618-3616, is assignee of the entire right, title and interest for the United States of America (as defined in 35 U.S.C. § 100), by reason of an Assignment to the Assignee executed on December 09, 2003, of an invention known as DMA ENGINE FOR FETCHING WORDS IN REVERSE BIT ORDER (Attorney Docket No. 15138US02), which is disclosed and claimed in a patent application of the same title by the inventors: Ramadas Lakshmikanth Pai; Manoj Kumar Vajhallya; Chhavi Kishore; Bhaskar Mala Sherigar; Himakiran Kodihalli; Sandeep Bhatia; Gaurav Aggarwal; Sivagururaman Mahadevan; Vijayanand Aralaguppe (said application filed on December 15, 2003 at the U.S. Patent and Trademark Office, having Application Number 10/736,125).

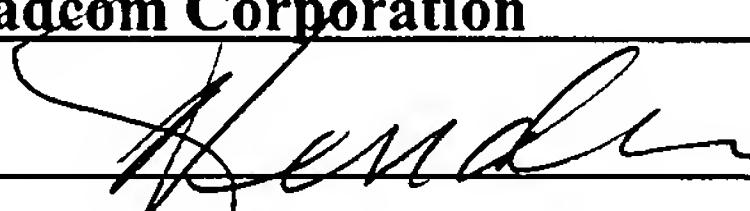
The assignee hereby appoints U.S. attorneys and/or agents at McAndrews, Held & Malloy, Ltd. (Chicago, IL), Customer No. 23,446, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

The Assignee hereby grants said attorneys the power to insert on this Power of Attorney any further identification that may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office.

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FOR: Broadcom Corporation
SIGNATURE: 
BY: Dee Henderson
TITLE: Manager, Intellectual Property Portfolio
DATE: April 30, 2004